

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Calvin College
1734 Knollcrest Circle S.E.
Grand Rapids, MI 49546

2. NRC/REGIONAL OFFICE

Region III: 2443 Warrenville Rd., Ste. 210 Lisle, IL 60532-4352

REPORT NUMBER(S) 11-01

3. DOCKET NUMBER(S)

030-00820

4. LICENSE NUMBER(S)

21-08721-01

5. DATE(S) OF INSPECTION

08/31/2011

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

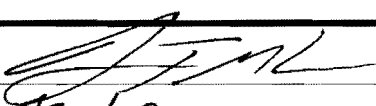

Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Aaron T. McCraw		9/1/11
BRANCH CHIEF	Tamara E. Bloomer		9/1/11

*Docket File Information***SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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3. DOCKET NUMBER(S) 030-00820		4. LICENSE NUMBER(S) 21-08721-01	5. DATE(S) OF INSPECTION 08/31/2011
6. INSPECTION PROCEDURES USED IP 87126		7. INSPECTION FOCUS AREAS 03.01-03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03620	2. PRIORITY 5	3. LICENSEE CONTACT Steven Steenwyk, RSO	4. TELEPHONE NUMBER (616) 526-8542
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<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: 08/01/2016
<input type="checkbox"/> Field Office Inspection	
<input type="checkbox"/> Temporary Job Site Inspection	

PROGRAM SCOPE

This was a routine inspection of a private college, specializing in liberal arts, engineering, and physical sciences, with an enrollment of approximately 4,000 students and 300 faculty and staff members. The license possessed small quantities of unsealed radioactive materials, primarily carbon-14 and tritium, for in-vitro research and several sealed sources for student teaching purposes. At the time of the inspection, one professor was primarily using the unsealed materials and one professor was using an americium-241/beryllium source for neutron activation experiments in an advanced physics course.

PERFORMANCE OBSERVATIONS

The inspector observed the two labs and the storage vault where licensed materials were used or stored. No materials were in use during the inspection. Interviews with licensee staff revealed an adequate level of understanding of material handling and emergency procedures. The licensee described material accountability and security, package receipt, program audits, and waste storage and disposal practices and procedures.

The inspector conducted independent surveys in the areas of use and the source/waste storage vault. No readings were in excess of the regulatory limits in 10 CFR Part 20. The inspector noted that dosimetry was issued to licensee staff that uses materials and available for students during demonstrations or experiments. A review of records showed that doses received were below detectable limits.

No violations were identified during this inspection.